

W A R M L E Y
R U R A L D I S T R I C T C O U N C I L

A N N U A L R E P O R T
OF THE
MEDICAL OFFICER OF HEALTH
and
SANITARY INSPECTOR
FOR THE YEAR

1 9 4 9

WARMLEY RURAL DISTRICT COUNCIL.

Composition of the District:-

Parishes of BITTON

HANHAM ABBOTS

MANGOTSFIELD RURAL

OLDLAND

SISTON.

Councillors:-

Chairman:- Mr. C.C. Atchison.

Vice-Chairman:- Mr. E. McLeod-Jones.

Members:-
Mr. G.H. Bird.
Mr. J. Blacker.
Mr. A.J. Clark.
Miss C.R. Clark.
Mr. S.H. Ford.
Mr. G.G. Fuge.
Mr. R.E. Lockwood.
Mr. A. Lucas.
Mr. R. Marsh.
Mr. G.F.A. Richards.
Mr. R.J. Wakeford.
Mr. A. Williams.

Clerk of the Council:- C.W.G. Hitchcock.

Public Health Staff:-

Medical Officer of Health.

James Menzies Cormack, M.B., Ch.B., D.P.H., D.P.A.

Sanitary Inspector.

Leslie J. Prosser, L.I.O.B., M.R.S.I., M.S.I.A.

Clerk to the Medical Officer.

R.F. Smith.

Serial Number of Report - 41.

A N N U A L R E P O R T

of the

M E D I C A L O F F I C E R O F H E A L T H

to the

W A R M L E Y R U R A L D I S T R I C T

C O U N C I L.

Council Offices,
Warmley House,
WARMLEY.

Ladies and Gentlemen,

I have the honour to present my Annual Report on the health of this District and 41st in the series.

The Report is compiled as set out in the Ministry of Health Circular.

My thanks are due to Members of the Council and Staff of the Council for their assistance.

I am,

Your obedient Servant,

J. MENZIES CORMACK.

Medical Officer of Health.



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S T A T I S T I C S.

(A) GENERAL STATISTICS.

Area of District	8,843 acres.
Population: Registrar-General's estimate - Mid-1949.	10,330.
Number of inhabited houses: per Rate Books.	2,933.
Estimated number of void houses.	Nil.
Rateable Value.	£40,004.
Sum represented by Penny Rate.	£151.

(B) EXTRACTS FROM VITAL STATISTICS.

Live Births.	M.	F.	TOTAL.	Birth rate per 1,000 estimated resident population mid-1949.	14.2
Legitimate	78	64	142	England & Wales	16.7
Illegitimate	4	1	5	Rate per 1,000 total (Stillbirths)	1.45
Stillbirths.				England & Wales	0.39
Legitimate	6	9	15		
Illegitimate	-	-	-		
	M.	F.	TOTAL.		
Deaths	54	54	108	Death rate per 1,000 estimated average population.	10.45
				England & Wales	11.7

Deaths from Puerperal Causes	-
Deaths of Infants (under 1 year)	5
Deaths from Cancer (all ages)	20
Deaths from Measles (all ages)	-
Deaths from Whooping Cough (all ages)	-
Deaths from Diarrhoea (under 2 years)	-

TABLE SHOWING PRINCIPAL CAUSES OF DEATHS, 1949.

Causes of Deaths		Under 1 yr.	1 - 5	5 - 15	15-25	25-45	45-65	65-75	75 & over	Total
1.	Typhoid and paratyphoid fevers	1								-
2	Cerebro-spinal fever	2								-
3	Scarlet fever	3								-
4	Whooping Cough	4								-
5	Diphtheria	5								-
6	Tuberculosis of Respiratory System	6		1	3	1				5
7	Other forms of Tuberculosis	7								-
8	Syphilitic Disease	8				1				1
9	Influenza	9					1			1
10	Measles	10								-
11	Acute poliomyelitis & polioencephalitis	11								-
12	Acute infectious encephalitis	12								-
13M	Cancer of buccal cavity & oesophagus (males only)	13								-
13F	Cancer of uterus	13								-
14	Cancer of stomach and duodenum	14					1	2		3
15	Cancer of breast	15						1		1
16	Cancer of all other sites	16					4	6	6	16
17	Diabetes	17								-
18	Intra-cerebral vascular lesions	18					2	7	11	20
19	Heart Disease	19			1	1	4	4	16	26
20	Other diseases of the circulatory system	20					1		1	2
21	Bronchitis	21	1				1	2	3	7
22	Pneumonia	22	3				1	1	1	6
23	Other respiratory diseases	23							1	1
24	Ulceration of the stomach or duodenum	24					1			1
25	Diarrhoea (under 2 years of age)	25								-
26	Appendicitis	26								-
27	Other digestive diseases	27					1	2	2	5
28	Nephritis	28					1	1	1	3
29	Puerperal and post-abortive sepsis	29								-
30	Other maternal causes	30								-
31	Premature birth	31								-
32	Congenital malformations, birth injury, infantile dis.	32	2					1		2
33	Suicide	33								1
34	Road Traffic accidents	34								-
35	Other violent causes	35		1			1			2
36	All other causes	36						1	4	5

TABLE SHOWING INCIDENCE OF INFECTIOUS DISEASE IN AGE GROUPS, 1949.

DISEASE	Under 1 yr.	1-2	2-3	3-4	4-5	5-10	10-15	15-20	20-35	35-45	45-65	65 & over	TOTAL
Small pox	-	-	-	-	-	-	-	-	-	-	-	-	-
Scarlet Fever	1	-	1	1	2	10	3	-	-	-	-	-	18
Diphtheria	-	-	-	-	1	-	-	-	-	-	-	-	1
Measles	3	10	13	8	6	32	2	1	-	-	-	-	75
Whooping Cough	-	-	1	-	-	1	-	-	-	-	-	-	2
Chicken Pox	-	-	-	-	1	2	1	-	-	-	-	-	4
Enteric Fever including Paratyphoid	-	-	-	-	-	-	-	-	-	-	-	-	-
Puerperal Typhoid	-	-	-	-	-	-	-	-	-	-	-	-	-
Pneumonia	-	-	-	1	1	1	-	-	2	3	4	-	12
Erysipelas	-	-	-	-	-	-	-	-	-	1	2	2	5
Acute Polio-myelitis	-	-	-	-	-	-	-	-	-	-	-	-	-
Dysentery	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	4	10	15	10	11	46	6	1	2	4	6	2	117

TABLE OF INCIDENCE OF INFECTIOUS DISEASES IN EACH PARISH.

Disease	Bitton	Hanham Abbots	Mangots field	Oldland	Siston	TOTAL
Small Pox.	-	-	-	-	-	-
Scarlet Fever	1	8	-	-	9	18
Diphtheria	-	-	-	1	-	1
Measles	26	16	11	15	7	75
Whooping Cough	2	-	-	-	-	2
Chicken Pox	2	-	-	2	-	4
Enteric Fever including Paratyphoid.	-	-	-	-	-	-
Puerperal Pyrexia.	-	-	-	-	-	-
Erysipelas	1	2	1	1	-	5
Pneumonia	6	1	-	2	3	12
Acute Poliomyelitis	-	-	-	-	-	-
Dysentery	-	-	-	-	-	-
TOTAL	38	27	12	21	19	117

TABLE SHOWING NEW CASES AND DEATHS (TUBERCULOSIS)
IN AGE GROUPS.

AGE GROUP	NEW CASES				DEATHS			
	Respiratory.		Non-resp.		Respiratory		Non-resp.	
	M	F	M	F	M	F	M	F
Under 1 year	-	-	-	-	-	-	-	-
1 - 5 years	-	-	-	-	-	-	-	-
5 -15 years	-	1	-	-	-	-	-	-
15-25 years	1	4	-	-	1	1	-	-
25-35 years	1	1	-	-	-	1	-	-
35-45 years	-	1	-	-	-	-	-	-
45-55 years	-	-	-	-	-	-	-	-
55-65 years	-	1	-	-	-	-	-	-
65 and over.	-	-	-	-	-	-	-	-
TOTAL	2	8	-	-	1	2	-	-

D I P H T H E R I A I M M U N I S A T I O N

The following Annual Return in connection with the above has been prepared for the Ministry of Health.

Annual Return for the Year ended 31st December, 1949.

1. IMMUNISATION IN RELATION TO CHILD POPULATION.

Under 1 year	3
1 year	54
2 years	65
3 years	57
4 years	68
5 - 9 years	521
10-14 years	551
	<hr/>
TOTAL UNDER 15 YEARS	1,319
	<hr/> <hr/>

ESTIMATED MID-YEAR CHILD POPULATION 1949.

Under 5 years	830
5 - 14 years	1,404

2. DIPHTHERIA NOTIFICATIONS AND DEATHS IN RELATION TO IMMUNISATION.

Notifications	1
Deaths	Nil.

ANNUAL REPORT

of the

SANITARY INSPECTOR

for the year

1949.

To the Chairman and Members of the
Warmley Rural District Council.

Ladies and Gentlemen,

I have the honour to present my Report for the year 1949, this being my Fourth Annual Report.

I am,

Your obedient Servant,

L. J. PROSSLER.

Sanitary Inspector.

SUMMARY OF SANITARY INSPECTOR'S VISITS AND NOTICES SERVED DURING THE YEAR.

General Sanitation.

Water Supply	...	...	...	98
Drainage	...	...	...	182
Tents, Vans & Sheds	...	...		101
Workplaces	...	...	...	3
Factories	...	...	...	22
Bakehouses	...	...	...	5
Public Conveniences	...	...		1
Refuse Collection & Disposal				60
Rats and Mice	...	...	...	2
Stables & Piggeries	...	...		5

General Sanitation (Continued)

Schools	...	...	...	...	1
Shops	.	...	...	...	8
Miscellaneous Sanitary Visits	.				65
Streams	...	...	...	...	15
Petroleum Licences		...	...		3
Owners	...	...	...	...	10
Council & other Meetings				...	40
Lectures	...	...	...	...	4

Housing.

Houses Inspected and Visited under Public Health Acts	...			118
Houses Inspected and Visited under Housing Acts	...	...		26
Houses Inspected for Overcrowding	...	...	...	5
Vermineous Premises,	...	...		14
Miscellaneous Housing Visits	..			38

Infectious Diseases.

Inquiries in cases of Infectious Diseases	...	...		18
Visits re Disinfection	..	...		21
Miscellaneous Infectious Disease Visits	...	...	...	3

Meat and Food Inspection.

Slaughterhouses	...	...	...	401
Shops & other Premises	..	...		58
Butchers	...	...	...	7
Fishmongers & Poulterers		...		5
Grocers	...	...	...	4
Cowsheds	...	...	...	32
Dairies & Milkshops	...	...		8
Ice Cream Premises	...	...		16
Food Preparing Premises		...		6
Miscellaneous Food Visits	...			4

TOTAL 1,409 Visits

SANITARY INSPECTION OF THE AREA.

Inspections made:-

Nuisances discovered or reported...	103
Informal & Preliminary Notices sent	21
Statutory Notices sent	7
Nuisances abated during the year...	79
Summonses issued	-
Convictions obtained	-

S A N I T A R Y C I R C U M S T A N C E S O F T H E Y E A R .

WATER SUPPLY.

The Water Supply by the Undertakers, the West Gloucestershire Water Company, has been satisfactory both in quality and quantity.

The Hardness figure did not exceed the permitted number of degrees, but this is still high.

CERTIFICATE OF ANALYSIS.

WATERFALL & O'BRIEN,
Analytical, Technical &
Consulting Chemists.

The Laboratory,
4 Queen Square,
Bristol. 1.

Lab. Ref. No. 7010.

From Supply at Beach. Taken from Pipe running into roadside tank. Taken by L.J. Prosser, Esq., Sanitary Inspector, at 10.40 a.m., 22nd May, 1950.

Appearance: Clear, no colour, slight sediment containing calcium carbonate crystals and some living infusorians.

Reaction: pH 7.6.

	<u>Parts per 100,000</u>
Free and Saline Ammonia	.002
Albuminoid Ammonia	.004
Chlorine	1.45
equivalent to Sodium Chloride	2.4
Oxygen absorbed (4 hrs)	0.037
Nitrite	absent
Nitrogen in Nitrate	0.23
Total Solids	33.3
Loss on ignition	3.5
Appearance on ignition	Very slight charring.
Hardness: Temporary	21.3
Permanent	4.2
Total	25.5
Lead and Copper	absent

Bacteriological Examination.

Colonies on Agar @ 20° C.	1790 per ml.
ditto @ 37° C.	358 " "

Presumptive Organisms of the Coli-aerogenes Group, upwards of 1400 per 100 ml. incl. 45 of faecal type.

CERTIFICATE OF ANALYSIS.

Lab. Ref. 7011.

From Swinford Water Supply. Taken from stand pipe in Lane by bakehouse. Taken by L.J. Prosser, Esq., Sanitary Inspector at 11.05 a.m. on 22nd May, 1950.

Appearance: No colour, very slight opalescence when viewed in depth. Slight rusty sediment.

Reaction: pH 7.4

Parts per 100,000

Free and Saline Ammonia	.001
Albuminoid Ammonia	.002
Chlorine	1.7
equivalent to Sodium Chloride	2.8
Oxygen absorbed (4 hrs)	0.021
Nitrite	absent
Nitrogen in Nitrate	0.23
Total Solids	38.7
Loss on ignition	3.5
Appearance on ignition	No charring.
Hardness: Temporary	22.3
Permanent	6.6
Total	28.9
Lead and Copper	absent

Bacteriological Examination.

Colonies on Agar @ 20° C.	111 per ml.
ditto @ 37° C.	10 " "

Presumptive Organisms of the Coli-aerogenes Group, 150 per 100 ml. Faecal absent from 100 ml.

No alterations or improvements have been carried out to this Supply.

CERTIFICATE OF ANALYSIS.

Lab. Ref. No. 7012.

Water Supply to Upton Cheyney, taken from fountain. Taken by L.J. Prosser, Esq., Sanitary Inspector, at 10.50 a.m. on 22nd May, 1950.

Appearance: -----

Reaction: pH 7.7

Parts per 100,000.

Free and Saline Ammonia	Less than .001
Albuminoid Ammonia	.004
Chlorine	1.5
equivalent to Sodium Chloride	2.5
Oxygen absorbed (4 hrs)	.022
Nitrite	absent
Nitrogen in Nitrate	.23
Total Solids	36.2
Loss on ignition	4.2
Appearance on ignition	very slight charring
Hardness: Temporary	25.0
Permanent	<u>5.3</u>
	30.3
Lead and Copper	absent

Bacteriological Examination.

Colonies on Agar @ 20° C.	255 per ml.
ditto @ 37° C.	91 " "

Presumptive Organisms of the Coli-aerogenes Group 100 per 100 ml. faecal types 25.

In the Parish of Bitton no improvements have been carried out to the unsatisfactory supply to Upton Cheyney, Beach and Golden Valley. The method of distribution by open jointed pipes and troughs is always open to pollution.

CERTIFICATE OF ANALYSIS.

Lab. Ref. No. 7013.

From West Glos. Water Co. Supply to kitchen at Warmley Houses From tap in kitchen. Taken by L.J. Prosser, Esq., Sanitary Inspector at 10 a.m. on 22nd May, 1950.

Appearance: Clear and colourless, no sediment.

Reaction: pH 7.4

Parts per 100,000.

Free and Saline Ammonia	.001
Albuminoid Ammonia	Less than .001
Chlorine	5.0
equivalent to Sodium Chloride	8.3
Oxygen absorbed (4 hrs)	.013
Nitrite	absent
Nitrogen in Nitrate	.13
Total Solids	41.6
Loss on ignition	2.1
Appearance on ignition	No charring.
Hardness: Temporary	24.3
Lead and Copper	absent

Bacteriological Examination.

Colonies on Agar @ 20° C.	35 per ml.
ditto @ 37° C.	Less than 1.

Organisms of the Coli-aerogenes Group, absent from 100 ml.

Nine samples were taken and submitted for analysis. These were obtained from nine sources. Six were reported as unsatisfactory.

Statutory Notices served	...	...	1
Statutory Notices complied with	...	...	1
Preliminary Notices served	...	...	3
Preliminary Notices complied with	...	...	3

WATER SUPPLIES.

Particulars of the number of houses served in each Parish are given in last year's Report.

RAINFALL.

The rainfall in 1949 at the West Gloucestershire Water Company's Office at Soundwell, Kingswood, in the County of Gloucestershire is:-

January	0.95 ins.	July	1.92 ins.
February	1.22 "	August	2.26 "
March	1.28 "	September	2.42 "
April	1.94 "	October	7.59 "
May	3.40 "	November	3.30 "
June	0.61 "	December	1.92 "

Total for 1949 - 28.81 inches.

DRAINAGE AND SEWERAGE.

A new Sewer was laid to existing properties in Qadbury Heath Road and Tower Road South in the Parish of Oldland.

The new sewer is 570 feet long and was laid at a cost of £497. 17. 6d. An extension of 66 feet was also completed and cost £36. 0. 0d. The complete sewer takes the drainage of 12 houses, a Church and a Clubhouse.

Twenty-nine new Council Houses and seventeen houses erected by private enterprise were also connected to the Sewer.

CLOSET ACCOMMODATION.

Four earth closets were converted to water closets complete with flushing cisterns and connected to the sewer.

PUBLIC CLEANSING.

A weekly collection of Refuse and Salvage was carried out during the year. Disposal was by tipping at one central tip in Tower Road, Warmley.

The value of Salvage disposed of during the year amounted to £291. 8. 5d.

Details as follows:-

				<u>Tons</u>	<u>Cwts.</u>	<u>Qrs.</u>
Paper	...	...	...	38	5	3
Iron	...	...	...	5	12	3
Rags	...	...	...	1	4	1
Bones	...	...	...		18	2
String	...	...	...		5	2
Bottles and Jars	..	...			99 dozen.	

RIVERS AND STREAMS.

The pollution of Siston Brook by Diesel Oil has gradually diminished and at present only slight pollution continues, probably due to the oil still in the ground around the tanks at the Factory where they were found to be leaking.

CAMPING SITES.

Number of Sites used for Camping during the year	5
Number of Camping Sites in respect of which Licences have been issued by the Local Authority under Section 29 of the Public Health Act, 1936.	3
Estimated number of campers resident in the area at one time during the year.	30.

DIRTY AND VERMINOUS PREMISES.

Several complaints were received of cockroaches and beetle infestation. These were treated by Gammoxane Dust.

Eradication of Bed bugs Nil.

RATS AND MICE DESTRUCTION.

The Council carried out the treatment of Sewers in the District in co-operation with the County Council and the Ministry of Food.

FACTORIES ACT, 1937 & 1948.

Prescribed particulars which are required by Section 128 (3) of the Factories Act, 1937, with respect to matters which are administered by the District Council.

1. INSPECTIONS FOR PURPOSES OF THE PROVISIONS AS TO HEALTH (INCLUDING INSPECTIONS MADE BY SANITARY INSPECTOR).

Premises	No. on Register	Number of:-		
		Inspections.	Written Notices	Occupiers Prosecuted.
1. Factories in which Sections 1, 2, 3, 4 & 6 are to be enforced by Local Authorities	45	22	-	-
2. Factories not included in (1) in which Section 7 is enforced by the Local Authority.	3	8	-	-
3. Other premises under the Act (excluding out-workers premises)	-	-	-	-
TOTALS	48	30	-	-

2. CASES IN WHICH DEFECTS WERE FOUND.

Defect	No. of cases in which defects were found.				Prosecuted.
	Found	Remedied.	Referred		
			To H.M. Insp.	By H.M. Insp.	
Want of Cleanliness	1	1	-	-	-
Overcrowding	-	-	-	-	-
Unreasonable Temperature	-	-	-	-	-
Inadequate Ventilation	-	-	-	-	-
Ineffective Drainage of Floors	-	-	-	-	-
Sanitary Conveniences					
(a) Insufficient	2	1	-	-	-
(b) Unsuitable or Defective	6	6	-	-	-
(c) Not separate for sexes	-	-	-	-	-
Other offences	-	-	-	-	-
TOTAL	9	8	-	-	-

HOUSING.

- (a) Number of Dwelling Houses inspected for Defects under the Public Health or Housing Acts ... 110
- (b) Number of Houses found to be in a state so dangerous or injurious to health as to be unfit for human habitation ... 5
- (c) Action under Statutory Powers during the year. Proceedings under the Housing Act, 1936.... Nil

All New Houses.

- (a) Total number erected during the year (Council and Private Enterprise) ... 46
- (b) New Houses erected during the year with state assistance under the Housing Act ... Nil

INSPECTION AND SUPERVISION OF FOOD.

Number of Cowsheds and Dairies inspected	40
Cowsheds Improved ...	9
Dairies Reconstructed ...	4
New and Improved Yards...	1

MEAT INSPECTION.

CARCASES INSPECTED.

	Calves	Sheep & Lambs	Pigs	Goats	Rabbits
Number Killed	38,526	4,073	294	4	1
Number Inspected	38,526	4,073	294	4	1

CARCASES CONDEMNED.

	Calves	Sheep & Lambs	Pigs
<u>All Diseases except Tuberculosis.</u>			
Whole Carcasses condemned	47	19	4
Carcasses of which some part or organ was condemned	736	671	26
Percentage of carcasses inspected affected with disease other than Tuberculosis.	2.03%	14.48%	10.20%
<u>Tuberculosis only.</u>			
Whole Carcasses condemned.	110	-	4
Carcasses of which some part or organ was condemned.	8	-	80
Percentage of carcasses inspected affected with Tuberculosis.	.317%	-	28.91%

CONGENITAL TUBERCULOSIS IN CALVES.

Year.	No. of Calves inspected.	No. of Calves Affected with T.B.	% of Tubercular Calves
1946	35,550.	131	.36
1947	31,931	85	.26
1948	38,176	123	.32
1949	38,526	110	.29

Year	No. of Calves Condemned	No. of Calves not labelled	No. of Calves Dams' Owners traced	No. of Dams not traced	Dams taken under T.B. Order Pos. Result	Dams not confirmed Negative Result	Results not known
1946	123	57	58	8	51	7	-
1947	83	40	37	3	26	11	3
1948	123	53	61	9	48	10	3
1949	95	27	68	3	46	19	3

It is unfortunate that in many cases of Congenital Tuberculosis in calves, the owners cannot be traced as the calves have lost the labels giving the market reference number during transit from the market to the Slaughterhouse, especially during wet weather.

The following procedure is adopted in all cases where the owners are traced. Notifications are sent to the County Sanitary Officer, who then notifies the Ministry of Agriculture and Fisheries. A copy of the notification is also sent to the Chief Sanitary Inspector of the district in which the farm is situated, and I am indebted to these Officers for informing me of the results of their investigations.

It has been noticed that there is a difference in the percentage of dams giving Positive Results in the various Counties from which they have been received, as the following table for the last two years shows:-

CONGENITAL TUBERCULOSIS IN CALVES (cont'd).

1948

County	Cases Notified	Cases giving Positive Results in Dams.	Percentage of Tubercular Dams
Somerset	46	38	82.608 %
Gloucestershire	17	9	52.94 %
Wiltshire	7	2	28.57 %

1949

Somerset	53	41	77.35 %
Gloucestershire	13	3	23.07 %
Wiltshire	1	1	100.00 %
Bristol	1	1	100.00 %

ICE CREAM.

Only one Licence for the manufacture of Ice-Cream has been issued in the area, and in this case it is used in connection with a small Restaurant.

Twenty-one Licences have been issued for the sale of Ice-Cream, and in all these cases are for the sale of Prepacked Ices only.

Details of results of Samples taken.

	Coli.	Count	Report	M.B.	M.O.H. Grade
A.	- - +	<2,000	Good	>4½ hours	1
B	- - -	12,000	Good	1½ "	3
C	+ + +	>500,000	Very Poor	1½ "	3
D	- - -	10,000	Good	1½ "	3
E	+ + +	100,000	Poor	1½ "	3
F	+ + +	>500,000	Very Poor	½ "	3

CONDEMNED FOODS REGISTER.

During the year the following weight of food was inspected and condemned.

Meat (Tuberculosis)	7,710 lb.
Meat (Other diseases)	10,108 "
Other Foods including Tins, Jars and various foods.	28 "
TOTAL	17,846 lb.

SLAUGHTER OF ANIMALS ACT.

Two Licences to slaughter animals were issued to Slaughtermen.

PETROLEUM (CONSOLIDATION) ACT, 1928.

Licences issued under this Act are as follows:-

Petrol Year 1949 22 Licences.

I beg to remain, Ladies and Gentlemen,

Your obedient Servant,
LESLIE J. PROSSER.
Sanitary Inspector.

